

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:1290
ANSWERED ON:26.11.2007
RESEARCH ON LIVESTOCK AND FISHERIES BY ICAR
Owaisi Shri Asaduddin

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether the Indian Council of Agricultural Research (ICAR) has recommended fast tracking critical research on crops, livestock and fisheries to counter disturbing phenomenon impact on Farm Sector;
- (b) if so, the details of recommendations made by the ICAR;
- (c) whether impact of climate change on crops has been undertaken by ICAR in its report to the Government; and
- (d) if so, the details thereof and future strategy chalked out by the Government on the recommendations of ICAR?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA)

(a) & (b): Yes, Sir. The recommendations by ICAR are:-

- 1.Strengthening research on impact assessment of climate change on crops, livestock, fisheries, and microbes using field and controlled environmental facilities and simulation models.
- 2.Developing new genotypes tolerant to abiotic and biotic stresses.
- 3.Identifying cost-effective mitigation strategies for reducing emissions of green house gases including Clean Development Mechanism (CDM).

(c) & (d): Yes, Sir. Preliminary studies indicate that increase in temperature and decrease in precipitation due to climate change will impact adversely the food grain production in the country.

ICAR has already established a network project on 'Impact, Adaptation and Vulnerability of Indian Agriculture to Climate Change' during X plan for detailed studies on the impact of climate change on agriculture. The National Agricultural Innovation Project (NAIP) has also identified climate change as a thrust area of research.